

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 23 November 2000 (23.11.00)	
International application No. PCT/US00/11308	Applicant's or agent's file reference PSS 2 066 PCT
International filing date (day/month/year) 27 April 2000 (27.04.00)	Priority date (day/month/year) 29 April 1999 (29.04.99)
Applicant CECH, Steven, D.	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:12 October 2000 (12.10.00)☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Claudio Borton Telephone No.: (41-22) 338.83.38
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PSS 2 066 PC	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/11308	International filing date (day/month/year) 27 APRIL 2000	Priority date (day/month/year) 29 APRIL 1999
International Patent Classification (IPC) or national classification and IPC IPC(7): B07C 5/34 and US Cl.: 356/237.1, 239.1, 239.4, 239.7, 240.1; 250/225		
Applicant PRESSCO TECHNOLOGY INC.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:

I	<input checked="" type="checkbox"/>	Basis of the report
II	<input type="checkbox"/>	Priority
III	<input type="checkbox"/>	Non-establishment of report with regard to novelty, inventive step or industrial applicability
IV	<input type="checkbox"/>	Lack of unity of invention
V	<input checked="" type="checkbox"/>	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement
VI	<input type="checkbox"/>	Certain documents cited
VII	<input type="checkbox"/>	Certain defects in the international application
VIII	<input type="checkbox"/>	Certain observations on the international application

☐ The statement that the information furnished subsequently to this international application as filed.

☐ The statement that the information furnished.

Date of submission of the demand 12 OCTOBER 2000	Date of completion of this report 27 NOVEMBER 2000	<input checked="" type="checkbox"/> the description, pages <input checked="" type="checkbox"/> the claims, Nos. <u>1-10</u> <input checked="" type="checkbox"/> the drawings, sheets <u>1-4</u>
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer MICHAEL STAFIRA	<input type="checkbox"/> This report has been drawn up in accordance with the provisions of Article 36 and Rule 70.17.
Facsimile No. (703) 305-3230	Telephone No. (703) 308-4837	

I. Basis of the report

1. With regard to the elements of the international application:*



the international application as originally filed



the description:

pages 1-7, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of



the claims:

pages 8-12, as originally filed
pages NONE, as amended (together with any statement) under Article 19
pages NONE, filed with the demand
pages NONE, filed with the letter of



the drawings:

pages 1-4, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of



the sequence listing part of the description:

pages NONE, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:



the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).



the language of publication of the international application (under Rule 48.3(b)).



the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:



contained in the international application in printed form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

the description, pages NONE



the claims, Nos. NONE



the drawings, sheets/fig. NONE

5. ☐ This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

**Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/11308

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. statement**

Novelty (N)

Claims 1-34 YESClaims NONE NO

Inventive Step (IS)

Claims 1-34 YESClaims NONE NO

Industrial Applicability (IA)

Claims 1-34 YESClaims NONE NO**2. citations and explanations (Rule 70.7)**

Claims 1-34 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a sensing apparatus for inspecting the structural integrity of visibly clear objects as claimed in applicants independent claims.

----- NEW CITATIONS -----

NONE

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: RICHARD J. MINNICH
FAY, SHARPE, FAGAN
MINNICH & MCKEE, LLP
1100 SUPERIOR AVENUE, 7TH FLOOR
CLEVELAND OH 44114-2518

PCT

NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing (day/month/year)		03 JAN 2001	
Applicant's or agent's file reference PSS 2 066 PC		IMPORTANT NOTIFICATION	
International application No. PCT/US00/11308	International filing date (day/month/year) 27 APRIL 2000	Priority Date (day/month/year) 29 APRIL 1999	
Applicant PRESSCO TECHNOLOGY INC.			

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.

2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.

3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

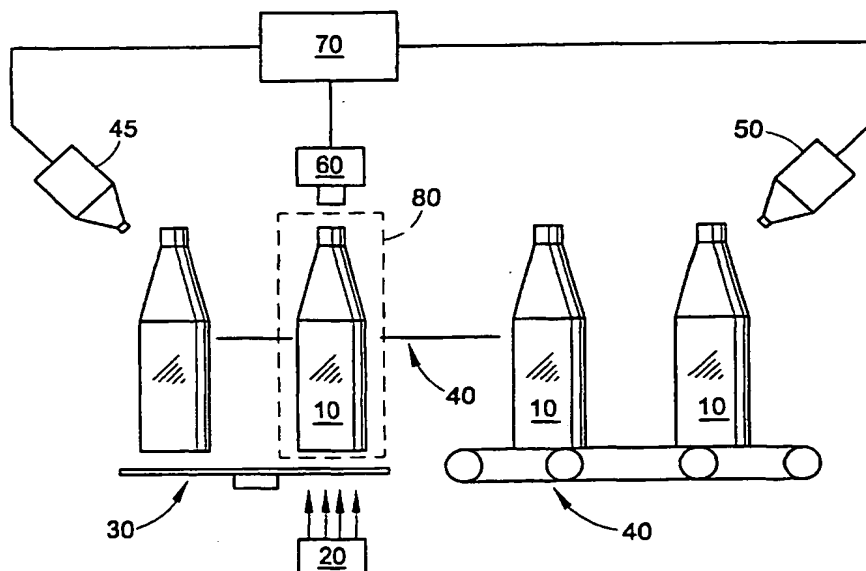
12 OCTOBER 2000

Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer MICHAEL STAFIRA	Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Washington, D.C. 20231
Facsimile No. (703) 305-3230	Telephone No. (703) 308-4837	Facsimile No. (703) 305-3230



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : B07C 5/34	A1	(11) International Publication Number: WO 00/66283 (43) International Publication Date: 9 November 2000 (09.11.00)
(21) International Application Number: PCT/US00/11308 (22) International Filing Date: 27 April 2000 (27.04.00) (30) Priority Data: 60/131,561 29 April 1999 (29.04.99) US (71) Applicant (for all designated States except US): PRESSCO TECHNOLOGY INC. [US/US]; 29200 Aurora Road, Solon, OH 44139-1847 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): CECH, Steven, D. [US/US]; 670 Rock Creek Drive, Aurora, OH 44202 (US). (74) Agent: MINNICH, Richard, J.; Fay, Sharpe, Fagan, Minnich & McKee, LLP, 7th floor, 1100 Superior Avenue, Cleveland, OH 44114-2518 (US).		(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.
(54) Title: SYSTEM AND METHOD FOR INSPECTING THE STRUCTURAL INTEGRITY OF VISIBLY CLEAR OBJECTS		

**(57) Abstract**

An inspection system is provided comprising at least one detection element (60) sensitive to electromagnetic radiation (20) at a wavelength wherein the object (10) to be inspected is rendered opaque by naturally occurring material molecular absorptions. As such, material defects such as cracks and voids can be detected.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

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DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/11308

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :B07C 5/34

US CL :356/237.1, 239.1, 239.4, 239.7, 240.1; 250/225

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 356/237.1, 239.1, 239.4, 239.7, 240.1; 250/225

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPTO EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,141,110 A (Trischan et al.) 25 August 1992, (25/08/92) see entire document.	1-34
A	US 3,778,617 A (Calhoun) 11 December 1973, (11/12/73) see entire document.	1-34

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Z* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
26 JUNE 2000

Date of mailing of the international search report

24 JUL 2000

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